

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems 911 E. Jeferson, P.O. Box 76 Pittsburgh ,KS 66762

BUILDING CODE COMPLIANCE OFFICE

METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION

(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION (305) 375-2966 FAX (305) 375-2908

> PRODUCT CONTROL DIVISION (305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

Castlegate 8-0 S-W/E Inswing Glazed Double Residential Insulated Steel Door

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0314.06 EXPIRES: 04/02/2006

Raul Kodriguez

Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS **BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.

Francisco / accintosa

Director

Miami-Dade County

Building Code Compliance Office

APPROVED: 06/05/2001

ACCEPTANCE No.: 01-0314.06

APPROVED

JUN 0 5 2001

EXPIRES

: <u>April 02, 2006</u>

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 00-0321.09 which was issued on April 28, 2000. It approves a residential insulated door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series Castlegate 8-0 S-W/E Inswing Glazed Double Residential Insulated Steel Doors and its components shall be constructed in strict compliance with the following documents: Drawing No 31-1025-CA-I, Sheets 1 through 4 of 4, titled "Premdor (Castlegate Brand) Double Door with 1/8" Glass in Wood Frame with Bumper Threshold (Inswing)," prepared by manufacturer, dated 7/29/97 with revision C dated 01/11/00, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

4. INSTALLATION

- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit <u>will require</u> a hurricane protection system.

5. LABELING

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
 - **6.1.1** This Notice of Acceptance
 - **6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system

Manuel Perez, P.E. Product Control Examiner

ACCEPTANCE No.: 01-0314.06

APPROVED

: <u>JUN 0 5 2001</u>

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: __April 02, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.

- 2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
- 3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
- 4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
- 5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
- 6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
- 7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
- 8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

Manuel Perez, P.E., Product Control Examiner

ACCEPTANCE No.: 01-0314.06

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.

2. Drawing No. **31-1025-CA-I**, Sheets 1 thru 4 of4, "Premdor (Castlegate Brand) Double Door with 1/8" Glass in Wood Frame with Bumper Threshold (Inswing)"- prepared by manufacturer, dated 07/29/97 with revision C dated 01/11/00.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per SFBC PA 202-94

- 2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
- 3) Water Resistance Test, per SFBC PA 202-94
- 4) Cyclic Wind Pressure Loading per SFBC, PA 203-94
- 5) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of steel edge double door, prepared by National Certified Testing Laboratories, Test Report No.NCTL-210-1887-7, 8, 9, (S) (F), dated 12/01/96, tested on Nov. 26, 1996 signed and sealed by Barry D. Portnoy, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by Product & Application Engineering, Inc., Project No. 96-1109, Report No. 01, dated 11/18/96, signed and sealed by David A. Terwilleger, P.E.

D. MATERIAL CERTIFICATIONS

- 1. Tensile Test prepared by ATC Associates, Inc., Report No. D70229, dated February 24, 1997, for steel samples, tested per ASTM A370-95 after the coatings were removed, signed and sealed by Peter G. Read, P.E.
- 2. Report titled "Small Scale Fire and Hose Stream Tests on 20 Min. (BASF Elastopor) Foam-Core Door" per ASTM E-152, prepared by Underwriters Laboratories, Inc., File No. R18466, dated July 3, 1997, signed by Dick Walther and reviewed by Howard Gruszynski.
- 3. Report titled "Standard Fire Endurance Test Program Conducted On A 20 Minute Foam Core Fire Door Assemblies," Report No. 6567, dated February 1993, per ASTM E-152, prepared by Warnock Hersey Professional Services, Ltd.
- 4. Report No. 114884-1, titled "Flammability" per ASTM D635-97" Rating of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal position," prepared by SGS US Testing Company Inc., dated Nov. 24, 1998, signed and sealed by Joseph G. Cappetta, P.E.

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(For File ONLY. Not part of NOA.)

Report No. 114884-2, titled "Ignition properties" per ASTM D1929-96" Testing Ignition 5. Properties of Plastics," prepared by SGS US Testing Company Inc., dated Nov. 24, 1998, signed and sealed by Joseph G. Cappetta, P.E.

Report No. 114884-3, titled "Smoke Density" per ASTM D-2843-93" Measuring the 6. density of Smoke from the Burning or Decomposition of Plastic," prepared by SGS US Testing Company Inc., dated Nov. 24, 1998, signed and sealed by Joseph G. Cappetta, P.E.

Report Titled "Tensile Method for Plastics, d638,mia," specimen name: "White Fina 7. Control," dated 5/16/99, prepared by Celotex.

Report Titled "Tensile Method for Plastics, d638,mia," specimen name: "White Fina 8. Exposed," dated 5/16/99, prepared by Celotex.

Report Titled "Tensile Method for Plastics, d638,mia," specimen name: "Tan Fina 9. Control," dated 5/16/99, prepared by Celotex.

Report Titled "Tensile Method for Plastics, d638,mia," specimen name: "Tan Fina 10. Exposed," dated 5/16/99, prepared by Celotex.

Summary Report for ASTM D-1929-, ASTM D-2843-, ASTM D-635-, ASTM G-26/D-11. 638-, prepared by ODL, dated August 26, 1998, signed and sealed by Steven R. Wilkening, P.E.

Report Titled "Tensile Method for Plastic" d638 specimen name: ODLI-2 Weathered 12 12.

month exposure dated 12/8/99, prepared by Celotex.

Report No. ODL-01-02-01, titled "Standard Practice for Operating Light Exposure 13. Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Non-Mertallic Materials" per ASTM G 26 and "Standard Test Method for Tensile Properties of Plastics" per ASTM D 638, dated December 14, 2000 for ODL HP Polypropylene lite frame material, issued by PRI Asphalt Technologies.

E. **STATEMENTS**

1. None

F. **OTHERS**

Notice of Acceptance No.00-0321.09 issued to Premdor Entry Systems for Castlegate Inswing Glazed Double Residential Insulated Steel Doors dated 04/28/00, expiring on 04/02/01

Manuel Perez, P.E. Product Control Examiner

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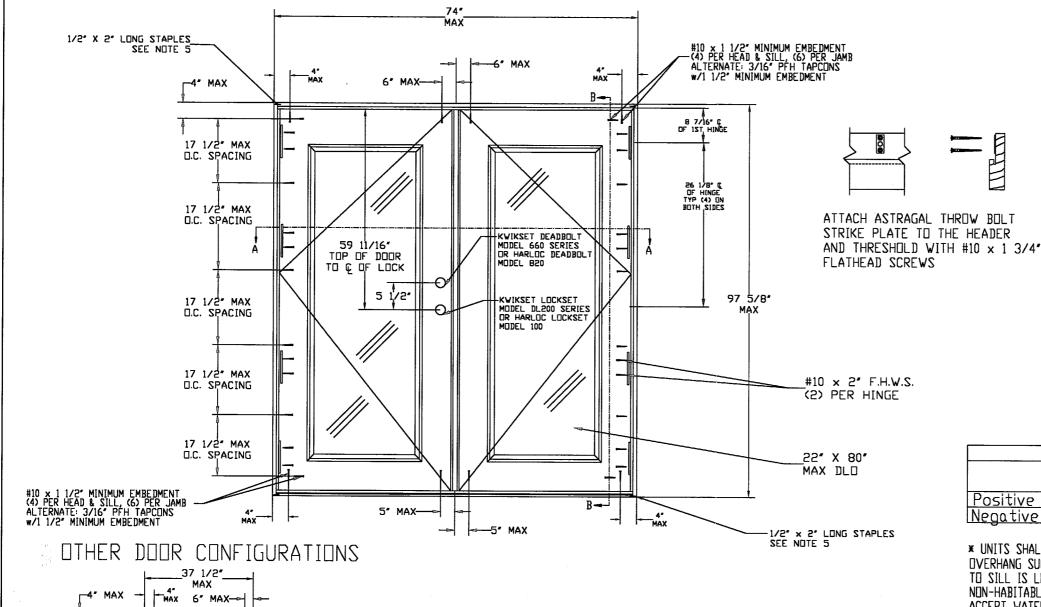
TESTSPERFORMED:

RESULTS:

TEST	TEST LOADS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF	0.28 CFM/FT ²	
SFBC PA 202-94 (0.50 CFM/FT ²)	0.20 01 141/1 1	
UNIFORM STATIC PRESSURE @ DESIGN LOAD	+43.0 PSF	+43.0 PSF
SFBC PA 202-94 POSITIVE		1
UNIFORM STATIC PRESSURE @ DESIGN LOAD	-45.0 PSF	-45.0 PSF
SFBC PA 202-94 NEGATIVE		
WATER RESISTANCE (PSF)	+6.48 PSF	+43.2 PSF
SFBC PA 202-94		
UNIFORM STATIC AIR PRESSURE @ FULL TEST LOAD	+64.5 PSF	+43.0 PSF
SFBC PA 202-94 POSITIVE		
UNIFORM STATIC AIR PRESSURE @ FULL TEST LOAD	-67.5 PSF	-45.0 PSF
SFBC PA 202-94 NEGATIVE		i
FORCED-ENTRY RESISTANCE (FER)	SATISFACTORY	
SFBC Section 3603.02 and SFBC PA 202-94		
Design Pressure Rating (Positive)		+43.0 PSF
Design Pressure Rating (Negative)		-45.0 PSF

Manuel Perez, P.E. Product Control Examiner

PREMDOR (CASTLEGATE BRAND) DOUBLE DOOR WITH 1/8" GLASS - IN A WOOD FRAME W/BUMPER THRESHOLD (INSWING)

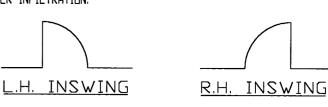


NOTES:

- 1.) WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. 2.) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.
- A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING.
- B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK.
- C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL ONE BY WOOD BUCK.
- 3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE OR 3/16" PFH TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT INTO MASONRY.
- 4. UNIT MUST BE INSTALLED WITH "MIAMI-DADE COUNTY APPROVED" SHUTTERS
- 5. THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR.
- 6. LATEX SEALANT TO BE APPLIED AT JAMB & SILL CORNERS
- 7. DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTTED.
- 8. DOORS SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.
- 9. FRAMES SHALL BE PRE-PAINTED WITH A WATER-BASED EPDXY PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.
- 10. THREE WEEPHOLES MEASURING 1/4" X 1", ALONG THE VERTICAL SILL HOLLOW OF INSWING THRESHOLD LOCATED AT 5 1/2", 20 1/2" & AT MIDSPAN.

DESIGN PRESSURE RATINGS				
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED		
Positive	43.0 psf	+43.0 psf		
Negative	NOT APPROVED *	-45.0 psf		

* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY DEPARTMENT. OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHARD TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

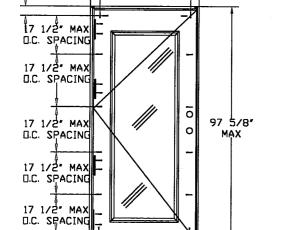


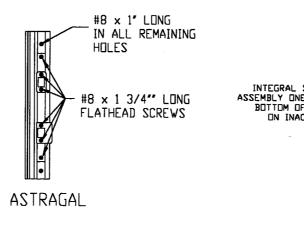
	OMPLYING	BUILDINGCO	05 201	Jum.	ROL DIVISION	COMPLIANCE	20-10
-	APPROVED AS COMPLYING M	SOUTH FLORIDA	DATE JUN 0 5 201	BY Mauul	PRODUÇT CONTROL DIVISION	BUILDING CODE COMPLIANCE	ACCEPTANCE NO 0110

REVISION LETTER

C

	AP CO. CO. PR.Y.	BG Se
	C DADE COUNTY MODIFICATIONS 1/11/0	מע
LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :	B ADDED PAGE 5 (DOOR OPTIONS) 10-1-9	
EXTRUSIONS: UNLESS NOTED, STD. CON'L. TOL'S.	A ADD OTHER DOOR CONFIGURATIONS 12/18/	7 RS
ENGINEER:	LTR. REVISIONS DATI	
	PART NAME: CASTLEGATE CHETAL EDGES DOUBLE DOOR W/SIDELITES	
DR. BY R.S. DATE 7-29-97	MAT'L: SCALE: N.T.S.	
PREMDOR ENTRY SYSTEMS	31-1025-CA-I	
911 E. JEFFERSON PITTSBURG, KS. 66762	SHEET 1 0	- 4



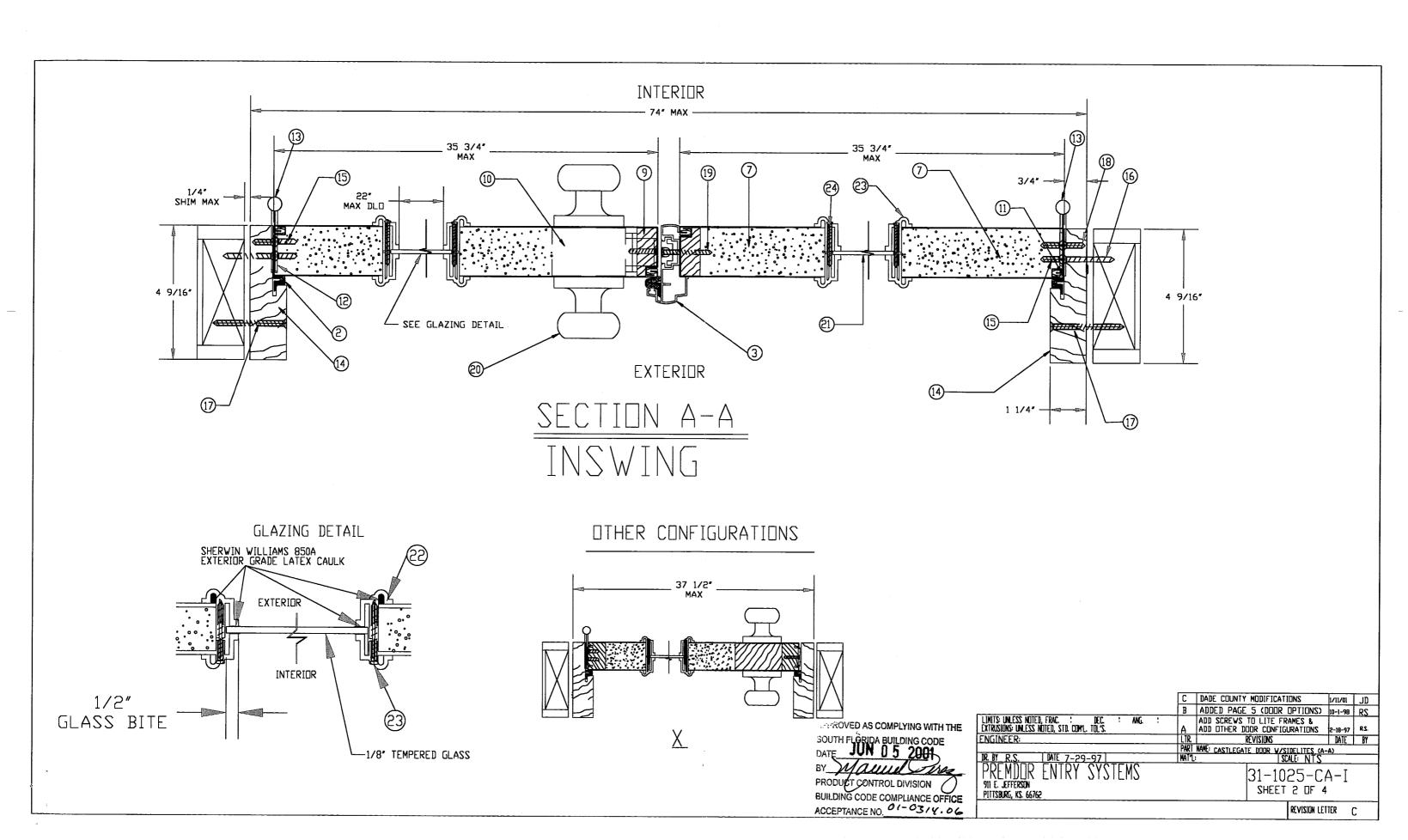


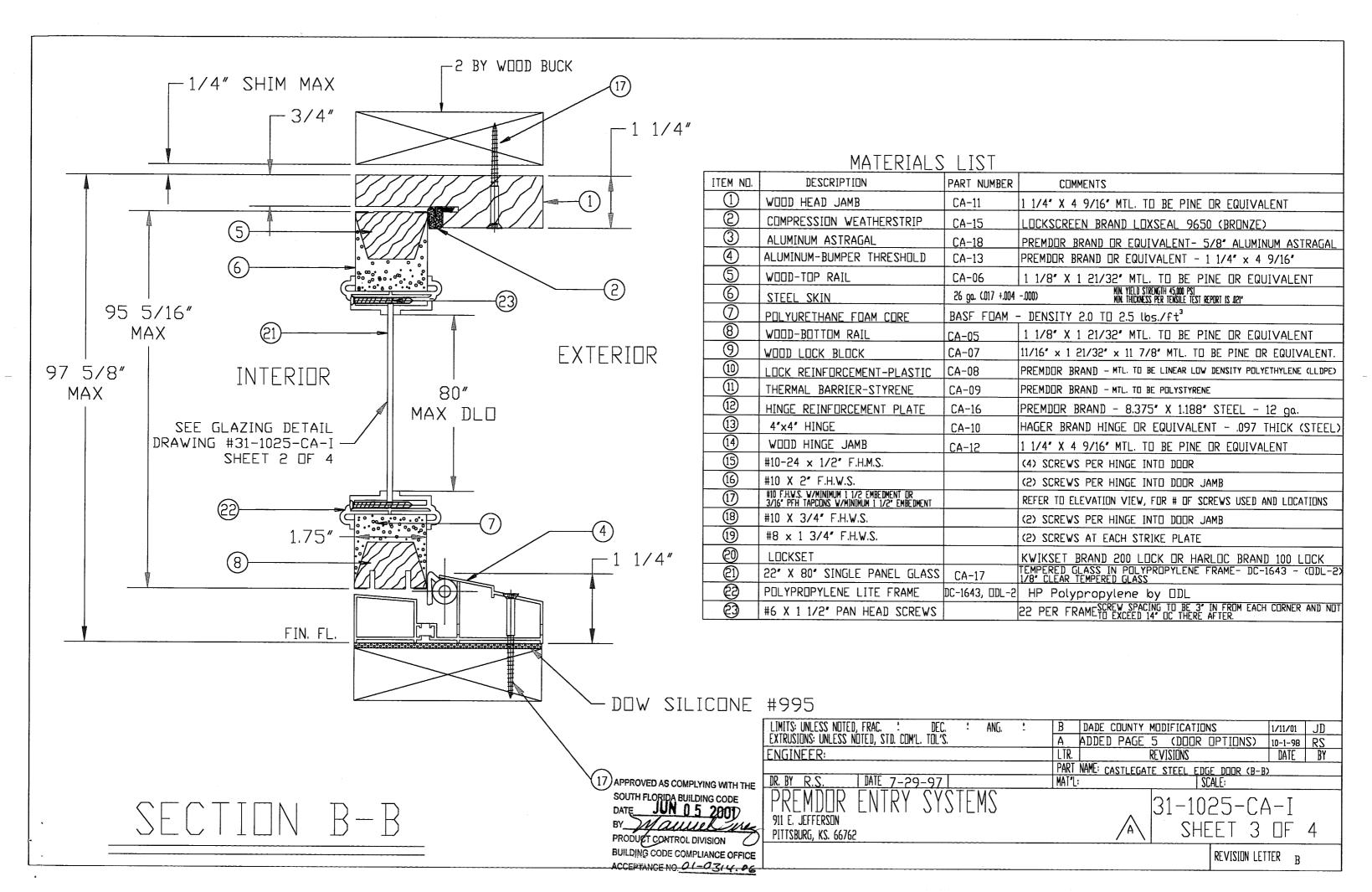
INTEGRAL SLIDE BOLT ASSEMBLY ONE AT TOP & BOTTOM OF ASTRAGAL -ON INACTIVE DOOR ASTRAGAL

MIN

- #8 × 1" LONG

5" MAX---



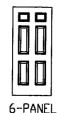


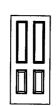
GLAZED DOOR PANEL STYLES W/SURFACE APPLIED MUNTINS 36" MAX ZZX. 4 MΑX PD-3 PD-1 PD-2 PD-4 PD-5 PD-6 PD-16 PD-7 PD-17 PD-8 PD-9 PD-10 PD-15 PD-11 PD-12 PD-13 PD-14 # **\$** PD-18 PD-19 PD-20 PD-21 PD-55 PD-53 PD-24 PD-29 PD-25 PD-26 PD-30 PD-32 PD-27 PD-28 PD-31 PD-33 PD-34 000 00 PD-42 PD-40 PD-41 PD-35 PD-36 PD-37 PD-38 PD-43 PD-43A PD-39 PD-43B

HER NON-GLAZED DOOR PANELS

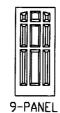


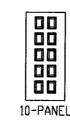
4-PANEL

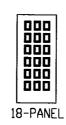




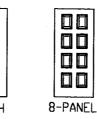
4-PANFI

















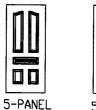




EYEBROW











5-PANEL EYEBROW

APPROVED AS COMPLYING WITH THE SOUTH FLORISM BUILDING CODE BY Manuel Care PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0314. 06

EYEBROW W/SCROLL LIMITS: UNLESS NOTED, FRAC. : DEC. Extrusions: Unless Noted, Std. Com/l. Tol.'s. LTR. REVISIONS
PART NAME: PREMDOR DOOR OPTIONS ENGINEER: DATE BY DATE 1/15/01 SCALE: ENTRY 31-1025-CA-I 911 E. JEFFERSON SHEET 4 OF 4 PITTSBURG, KS. 66762 REVISION LETTER